

To: DelRosario, Ross[delrosario.rosauro@epa.gov]
Cc: 'Sarah Meyer'[smeyer@naturalrt.com]; david.klatt@ch2m.com[david.klatt@ch2m.com]
From: Prasad, Narendra M
Sent: Mon 5/6/2013 1:28:15 PM
Subject: RE: North Station - update to water table well installation approach

Hi Ross,

Any thoughts on this? We would like to confirm use of this decision tree at North Station beginning May 13.

Thanks!

Naren

Naren M. Prasad, P.E., MPH, LEED AP

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From: Prasad, Narendra M [mailto:NMPrasad@integrysgroup.com]

Sent: Thursday, April 25, 2013 10:19 AM
To: 'DelRosario, Ross'
Cc: David.Klatt@CH2M.com; Sarah Meyer; Wilson, Doyle
Subject: North Station - update to water table well installation approach

Ross,

Since approval of the North Station Site-Specific Work Plan we have fine-tuned our approach for the installation of well nests in subsequent PGL work plans. These adjustments are illustrated in the attached "Decision Tree" which was actually submitted with the Hough and Crawford Group II work plans. This is based on our field observations of site geology and hydrogeology.

The primary changes between the North Station Work Plan and the attached decision tree are:

- 1) Decision tree specifies minimum fill thickness (6 feet) required for installing water table wells
- 2) Decision tree specifies well screen length options

The additional details were added to the decision tree to provide field teams with guidance on when it is appropriate to install water table wells. These shallow wells will monitor groundwater elevations and quality in surface fill that, in some cases, may only be seasonally saturated. Groundwater in the surface fill is likely perched and has greater probability of exhibiting the presence of MGP residuals, if present, compared to deeper groundwater in the clay unit.

Groundwater in the clay unit is likely hydraulically separated from perched groundwater in the shallow fill. Piezometers installed deeper in the silty clay are intended to establish the vertical extent of MGP residuals in groundwater.

Please let me know if you have any question or would like to discuss.

Thanks,

Naren

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